



Technical Data Sheet

SKINGARD Series C v2

Paint Protection Film — Product & Performance Overview

5+ years on the Russian market

Sold and installed in Miami, USA

Now available in Serbia

About SKINGARD

SKINGARD is a paint protection and window film brand with more than five years of proven performance on the Russian market. Our films are also sold and professionally installed in Miami, USA, meeting the demands of a highly competitive and detail-oriented market. SKINGARD is now expanding into Serbia, bringing the same product standard and quality control to local detailing studios and professional installers.



SKINGARD PPF installation — partner detailing studio

Product Construction

SKINGARD Series C v2 is a multi-layer TPU paint protection film engineered for optical clarity, self-healing performance, and long-term durability.

Layer	Function
Top Coating	Self-healing, gloss and scratch protection
TPU Film	Core protective layer — impact and stain resistance
Adhesive Layer	High-tack acrylic PSA for long-term paint adhesion
Release Liner	Protective backing, removed during installation
Protective Film	Surface protection during transport and handling



SKINGARD film installation — Miami, USA

Key Features

- **Self-Healing Surface**

Light scratches and swirl marks disappear naturally with heat exposure (sun or warm water).

- **High Optical Clarity**

Virtually invisible finish that preserves the original paint appearance.

- **Anti-Yellowing Performance**

Rated at B value ≤ 5 after 5000 hours of accelerated UV exposure (GB/T 16422.3-2014).

- **Stone Impact & Puncture Resistance**

Passes SAE J400 stone impact testing; puncture resistance of 15.5N (GB/T 10004).

- **High Elongation & Tear Strength**

Finished product elongation at break $>328.6\%$, tear strength 78.5 kN/m.

- **Strong, Reliable Adhesion**

Initial tack >1555 gf/inch, viscosity retention >1900 gf/inch — secure long-term bonding.

- **Chemical & Weather Resistance**

No visible change after acid/alkali soak, hydrolysis, and 1000h high-temperature testing.

- **Hydrophobic Finish**

89° water contact angle for easy maintenance and a cleaner surface.

Technical Specifications

SKINGARD Series C v2 — Paint Protection Film

#	Property	Test Method	Value
1	Total product thickness	Thickness Tester	190 µm
2	TPU thickness	Thickness Tester	155 µm
3	Coating thickness	Thickness Tester	10 µm
4	Adhesive thickness	Thickness Tester	25 µm
5	Anti-yellowing	GB/T 16422.3-2014, QUV 5000h	B value ≤ 5
6	Xenon lamp accelerated aging	GB/T 32088-2015, 2000h	No change
7	Elongation at break (coating)	ASTM D882	> 90%
8	Elongation at break (finished product)	ASTM D882	> 328.6%
9	Tensile strength	ASTM D638-2014	24.9 MPa
10	Tear strength	ASTM D624-2000	78.5 kN/m
11	Puncture resistance	GB/T 10004	15.5 N
12	Stone impact resistance	SAE J400	Pass
13	Initial viscosity (tack)	GB/T 4852	> 1555 gf/inch
14	Viscosity retention	GB/T 4851	> 1900 gf/inch
15	Surface gloss	3NH Gloss Tester, 30°	92.9 GU
16	Scratch repair	Brush x10, 50°C water, 30 min	Normal temp. repair
17	Coating adhesion	ASTM D3359	Level 5
18	Water drop angle	Water Drop Goniometer	89°
19	Water resistance	GB/T 22886-2008, 50°C, 200h	No change
20	High temperature resistance	GB/T 7141-2008, 80°C, 1000h	No change
21	Hydrolysis resistance	GB/T 4671-2014, 40°C, 400h	No change
22	Acid and alkali resistance	GB/T 11547-2008, soak 24h	No change
23	Chemical oil resistance	Spray on surface, 60 sec	No change

All values represent typical laboratory test results under controlled conditions and are provided for reference. Independent verification is available on request.

Recent Installations

SKINGARD film applied across a range of vehicles — from daily drivers to performance and luxury platforms — by partner studios in Russia and the United States.



Porsche Cayenne, BMW iX & motorcycle, Zeekr 001, Mercedes-AMG GT — SKINGARD installations at partner detailing studios.

Warranty & Application

SKINGARD Series C v2 is backed by a multi-year manufacturer warranty covering yellowing, cracking, and adhesion failure under normal use conditions. Professional installation is recommended to ensure full warranty coverage and optimal performance.

Recommended installation temperature: 21–26°C (70–79°F). For best results, use SKINGARD-approved slip solutions and standard PPF installation practice.

Partner With SKINGARD Serbia

We are building a network of professional detailing studios across Serbia. Partner pricing, product samples, and installation support are available for onboarding studios.

Company	DOO SKINGARD FILMS, Belgrade, Serbia
Phone	+381 65 3704426
Telegram	@SkinGardFilms
Instagram	@SkinGardFilms